

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	114	84/473.ccls.	US-PGPUB; USPAT	OR	ON	2007/05/23 13:41
L2	402	84/478-480.ccls.	US-PGPUB; USPAT	OR	ON	2007/05/23 13:45
L3	405	84/470R.ccls.	US-PGPUB; USPAT	OR	ON	2007/05/23 14:17
L4	241	84/471R.ccls.	US-PGPUB; USPAT	OR	ON	2007/05/23 13:42
L5	353	84/480-483.1.ccls.	US-PGPUB; USPAT	OR	ON	2007/05/23 13:42
L6	570	84/477R.ccls.	US-PGPUB; USPAT	OR	ON	2007/05/23 14:27
L14	431	(L1 L4 L5) not (L2 L3 L6)	US-PGPUB; USPAT	OR	ON	2007/05/23 14:29
L18	405	(84/473,478-480,471R,470R,480-483.1,477R.ccls.) and slid\$4	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/23 14:51
S6	1	("09319368").pn.	JPO	OR	ON	2006/12/26 15:57
S13	2	"US 20060156908"	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/05/18 12:06
S20	6389	piano and keyboard	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/26 16:50
S23	56	S20 and (keys with (color colour) with black with white)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/26 17:00
S32	533	piano and ("white keys" with "black keys")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/26 17:48
S42	6389	piano and keyboard	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 08:54

## EAST Search History

S43	14	S42 and (keys adj4 "same" adj2 (color colour))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 08:54
S44	56	S42 and (keys with (color colour) with black with white)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 08:54
S45	34	piano and ((without remove removed depose deposed discard discarded displace displaced) with (black adj keys))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 08:54
S46	14	piano and (only adj white adj keys)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 08:54
S47	31	(keyboard piano) and ("white keys" with "black keys" with (color colour))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 08:54
S48	83	(keyboard piano) and (sharps with flats with (without remove removed depose deposed discard discarded displace displaced))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 08:54
S49	180	(keyboard piano) and (key with ("same" near (color colour)))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 08:54
S50	160	S49 not S48 not S47 not S46 not S45 not S44 not S43	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 08:54

## EAST Search History

S51	9	S50 and (piano)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 08:58
S52	20765	(Accidental sharp flat "black note" "black key") and (harpsichord piano clavichord organ "electronic keyboard" "musical keyboard" Accordion Harmonium) and (color colour)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 09:06
S53	1190	S52 and ((Accidental sharp flat "black note" "black key") with (color colour))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 09:07
S54	67	S53 and ((Accidental sharp flat "black note" "black key") with "same")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 09:16
S59	1	"2221143".pn.	USOCR	OR	ON	2006/12/27 09:29
S61	1	"5962800".pn.	USPAT	OR	ON	2006/12/27 09:29
S62	14	("transposition" "transpose") same (Accidental sharp flat "black note" "black key") same (color colour)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 09:35
S65	43	("transposition" "transpose") same ((Accidental sharp flat "black note" "black key") with (without removed))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 09:37

## EAST Search History

S66	114	("1114139"   "1526547"   "2221143"   "2284868"   "2332842"   "2452748"   "2497364"   "2807183"   "2832252"   "3023659"   "3236931"   "3379087"   "3456546"   "3482480"   "3577824"   "3590131"   "3610800"   "3616723"   "3674907"   "3690212"   "3697661"   "3724097"   "3743756"   "3760680"   "3800060"   "3824325"   "3836909"   "3890871"   "3910149"   "3958487"   "3973460"   "4048893"   "4056999"   "4098165"   "4300430"   "4318326"   "4479416"   "4499807"   "4779510"   "4881443"   "4885969"   "5038658"   "5069104"   "5099738"   "5107743"   "5216188"   "5266735"   "5367117"   "5414209"   "5440071"   "5546843"   "5585583"   "5760323"   "5886273"   "5889224"   "5952597"   "6072113"   "6388181"   "6476303"   "6689946"   "6821203"   "6870085"   "D345372").PN. OR ("2002/0050206"   "2004/0231500"   "3691895"   "3877337"   "3971282"   "4513650"   "5841053"   "6284961"   "7030307").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/27 10:03
S67	33	S66 and (color colour)	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/27 10:03
S68	6	(US-20040231500-\$).did. or (US-5841053-\$ or US-7030307-\$ or US-3877337-\$ or US-3971282-\$ or US-4513650-\$).did.	US-PGPUB; USPAT	OR	ON	2006/12/27 10:12
S69	2	S68 and (color colour)	US-PGPUB; USPAT	OR	ON	2006/12/27 10:12
S70	73	84/619.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 10:14
S71	36	S70 and piano	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 10:15
S72	23	S70 and (piano keyboard) and (color colour)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 10:19

## EAST Search History

S73	22	S71 not S72	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 10:15
S74	40	(piano keyboard) and ("whole step" with "half step")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 10:19
S75	6	((TAKASHI) near2 (YOSHIMINE)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/27 10:28
S76	9	((TAKASHI) near2 (YOSHIMINE)).INV.	EPO; JPO; DERWENT	OR	ON	2006/12/27 10:36
S78	3	(pedal with (half adj step)) and (piano keyboard)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 10:54
S82	12	(piano keyboard) and (pedal with (transposition transpose))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 10:53
S83	7	(pedal with transpose) and (piano keyboard)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 10:58
S86	66	piano same (covers adj2 (keys keyboard))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 11:17
S88	55	(piano with ((automatic automatically) near2 (playing performance))) and (above near3 keys)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 11:37
S90	2	"1109554".pn.	USPAT; USOCR	OR	ON	2006/12/27 11:21

## EAST Search History

S93	136	(piano with ((automatic automatically) near2 (playing performance))) and (mounted)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 11:38
S94	11	(piano with ((automatic automatically) near2 (playing performance))) same (mounted)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 11:40
S95	25	(piano with ((automatic automatically) near2 (playing performance))) and (contact near2 keys)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 11:47
S98	52	("5971635" "20060156908" "5900571" "6056552" "6605767" "20020073826" "4885969" "4434696" "4479416" "4562764" "5206446" "5685724" "6111179" "6351225" "3610800" "3845684" "3813474" "4016792" "4031800" "4152964" "4123960" "4271741" "4352310" "4357851" "4375776" "4472992" "4475428" "4480519" "4499808" "4503745" "4546245" "4580478" "4777857" "4838139" "4903572" "4905567" "4972752" "5001339" "5214231" "5214993" "5231283" "5270475" "5281755" "5367119" "5369218" "5391828" "5408911" "5430913" "5501130" "5557055" ).pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2006/12/27 11:51
S10 3	32	S98 and piano	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 11:57
S10 4	20	S98 not S103	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 11:56
S11 6	7	piano and (keys same (transparent with cover))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 12:51

## EAST Search History

S11 7	9	("3958487"   "4040324"   "4516465"   "5107743").PN. OR ("6037534").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/27 12:47
S11 8	5	piano and ((keys keyboard) and (transparent with cover with (notes names scale chord numerical number)))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 12:53
S12 0	43	piano and ((keys keyboard) with (notes names scale chord numerical number) with (label labelled))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 12:54
S12 1	131	piano and ((keys keyboard) with (notes names scale chord numerical number) with (indicator))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 12:56
S12 2	1	piano and (transparent near2 cover) same ((keys keyboard) with (notes names scale chord numerical number))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 12:57
S12 3	47	piano and (transparent same ((keys keyboard) with (notes names scale chord numerical number)))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 12:57
S12 4	11	("0334484"   "2406946"   "3022698").PN. OR ("3865004").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/27 13:04
S12 9	92	piano and (keys with (note near2 name))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 13:23
S13 1	8	piano and ((note near2 name) same (above adj2 key))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 13:24

## EAST Search History

S13 2	2	piano and (pedal with (half adj step))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 13:32
S14 0	19	("1685401"   "2456575"   "2706926"   "3200689"   "3943811"   "3986422"   "4009633"   "4048893"   "4098162"   "4100831").PN. OR ("4480519").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/27 14:50
S14 3	79	84/13.ccls.	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2006/12/27 17:47
S14 4	0	piano and (keys same "whole step" same "half step") and ((string wire) with hammer with keys!) and (pedal with (damp damping damper))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 18:21
S14 5	124	piano and ((string wire) with hammer with keys!) and (pedal with (damp damping damper))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/28 08:56
S14 6	65	piano and (pedal same (hammer with (pitch (half adj step) shift shifting turning turn rotate rotating)))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/28 08:56
S14 7	33	S145 and S146	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/28 09:06
S14 8	9	S147 and (hammer with (right left))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/28 09:47
S14 9	1	piano and (hammer with pedal with (half adj step))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/28 09:48



## EAST Search History

S15 0	3	piano and (hammer with pedal with (sharp flat))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/28 09:48
S15 1	12	("3432607"   "3433881"   "3530224"   "3585893"   "3603192"   "4046049"   "4491050"   "4744279"   "5166467").PN. OR ("5550321").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/28 10:02
S15 2	12	piano and (hammer with (turn rotate) with axis)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/28 10:05
S15 3	10	piano and (hammer same (turn rotate) same (soft adj pedal))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/28 10:05
S15 4	13	piano and (keys with marked with scale)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/18 12:06
S15 5	13	("1260601"   "2298799"   "D248993").PN. OR ("4419921").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/18 12:13
S15 6	3	("4419921").PN. OR ("4679482").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/18 12:13
S15 7	5	("6133518"   "6225545"   "6337434"   "6348649"   "6380472").PN. OR ("6632991").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/18 12:19
S15 8	1	"5145447".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/18 12:19
S15 9	4	("58055986" "2002156969" "2003099033" "2004069951" "04022771" "64017598"). pn.	JPO	OR	ON	2007/05/18 12:20
S16 0	5	("6133518"   "6225545"   "6337434"   "6348649"   "6380472").PN. OR ("6632991").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/18 12:26
S16 3	404	84/470R.ccls.	US-PGPUB; USPAT	OR	ON	2007/05/21 10:54
S16 4	241	84/471R.ccls.	US-PGPUB; USPAT	OR	ON	2007/05/21 10:53

## EAST Search History

S16 5	114	84/473.ccls.	US-PGPUB; USPAT	OR	ON	2007/05/21 10:52
S17 1	568	84/477R.ccls.	US-PGPUB; USPAT	OR	ON	2007/05/21 10:56
S17 2	401	84/478-480.ccls.	US-PGPUB; USPAT	OR	ON	2007/05/21 11:00
S17 3	353	84/480-483.1.ccls.	US-PGPUB; USPAT	OR	ON	2007/05/21 10:56
S17 4	89	(S163 S164 S165 S171 S172 S173) and ((slide slid slidable slidably) same key)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/21 14:48